Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-20. (Cancelled).

21. (Previously Presented) A loudspeaker, comprising:

a magnetic circuit;

a frame connected to said magnetic circuit; and

a loudspeaker diaphragm having an inner circumference which is connected to a voice coil embedded in a magnetic gap of said magnetic circuit, and an outer circumference being bonded to said frame;

wherein said loudspeaker diaphragm is manufactured in accordance with the steps of:

heating a molded resin speaker diaphragm; and

activating the surface of said loudspeaker diaphragm by applying plasma while keeping the temperature inside said reactive chamber below a heat deformation temperature of said loudspeaker diaphragm.

22. (Previously Presented) A loudspeaker, comprising:

a magnetic circuit;

a frame connected to said magnetic circuit; and

a diaphragm for said loudspeaker having an inner circumference which is connected to a voice coil embedded in a magnetic gap of said magnetic circuit, and an outer circumference being bonded to said frame via an edge;

wherein said diaphragm for said loudspeaker is manufactured in accordance with the steps of:

heating a molded resin loudspeaker diaphragm; and

activating the surface of said loudspeaker diaphragm by applying plasma while keeping the temperature inside said reactive chamber below a heat deformation temperature of said loudspeaker diaphragm.

23. (Previously Presented) A loudspeaker according to claim 21, wherein said loudspeaker diaphragm is further manufactured in accordance with one of injection molding and sheet forming.

24. (Previously Presented) A loudspeaker according to claim 21, wherein said reactive chamber is disposed with a meshed metal frame inside said reactive chamber and with an electrode outside said reactive chamber.

25. (New) A loudspeaker according to claim 21, wherein said loudspeaker diaphragm comprises polyethylene resin.

26. (New) A loudspeaker according to claim 25, wherein the wettability of the polyethylene resin immediately after treatment is 50 dyn/cm or above.

27. (New) A loudspeaker according to claim 25, wherein said polyethylene resin has a heat deformation temperature of 82°C.

28. (New) A loudspeaker according to claim 27, wherein said polyethylene resin has a bending strength of 18,400 kg/cm^2.

29. (New) A loudspeaker according to claim 28, wherein the wettability of the polyethylene resin immediately after treatment is 50 dyn/cm or above.

30. (New) A loudspeaker according to claim 24, wherein said loudspeaker diaphragm comprises polyethylene resin.

31. (New) A loudspeaker according to claim 24, wherein the wettability of the polyethylene resin immediately after treatment is 50 dyn/cm or above.

32. (New) A loudspeaker according to claim 31, wherein said polyethylene resin has a heat deformation temperature of 82°C.

33. (New) A loudspeaker according to claim 32, wherein said polyethylene resin has a bending strength of 18,400 kg/cm^2.

34. (New) A loudspeaker according to claim 33, wherein the wettability of the polyethylene resin immediately after treatment is 50 dyn/cm or above.

35. (New) A loudspeaker according to claim 22, wherein said loudspeaker diaphragm comprises polyethylene resin.

36. (New) A loudspeaker according to claim 22, wherein the wettability of the polyethylene resin immediately after treatment is 50 dyn/cm or above.

37. (New) A loudspeaker according to claim 36, wherein said polyethylene resin has a heat deformation temperature of 82°C.

38. (New) A loudspeaker according to claim 37, wherein said polyethylene resin has a bending strength of 18,400 kg/cm^2.

39. (New) A loudspeaker according to claim 38, wherein the wettability of the polyethylene resin immediately after treatment is 50 dyn/cm or above.